

	Friday	Speaker	Title
		session chair	Biosignatures/Life Detection
8:00 AM	IIID	Barr	Convection in the Icy Satellites: Implications for Astrobiology
8:20 AM	IIID	Bauer	A Spectroscopic Analysis of Volatile Biogenic Signatures Emanating from Geothermal Environments
8:40 AM	IIID	Brotton	Mineral fossil evidence of life in ancient rocks using Fe charge state analysis
9:00 AM	IIID	Buick	Metamorphism of Archean biosignatures: constraining the appearance of life on Earth and the search for fossils on Mars
9:20 AM	IIID	Cady	NASA Exobiology Grant: Recognizing the Signatures of Thermophilic Biofilms: Cellularly Preserved Microfossils and Cellular Remnants
9:40 AM	IIID	Carlson	ASTROBIOLOGICAL ASPECTS OF RADIATION CHEMISTRY ON EUROPA
10:00 AM	break		
10:20 AM	IIID	Gibson	Micro scale Isotope Variations in Terrestrial Carbonates as Biomarkers: Analogs for Martian Processes
10:40 AM	IIID	Gower	Relevance of a Polymer-Induced Liquid-Precursor (PILP) Mineralization Process to Biomineralization and the Development of Biomarkers
11:00 AM	IIID	Jahnke	Linking Archaeal Molecular Diversity and Lipid Biomarker Composition in a Hypersaline Microbial Mat Community
11:20 AM	IIID	Kenig	Branched alkanes with quaternary carbon atoms: the tip of a paleobiochemical iceberg?
11:40 AM	IIID	Noffke	Microbially induced sedimentary structures: a new reference catalogue for the detection of life on Mars
12:00 PM	IIID	Stoner	Spatially Correlated Spectrometric Analysis of Biomaterial-Mineral Interactions
12:20 PM	IIID	Summers	The Stable Fractionation of Abiotic Reactions A Benchmark in the Detection of Life
12:40 PM	IIID	Zahnle	Is carbon monoxide a planetary anti-biomarker?""
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